

2014-09-05 day 8

Why limit?

google

"Calculus in 20 Minutes" I know it when I feel it

main idea → the way things change → model & predict
 → "complete" pictures of functions

Math Fake?

No. Math =

Mind of God.

Atheist = clueless

Order at Bdubs

diabetic and not like spicy ⇒ mildest boneless wings or a wrap

Favorite

Pen?

15

AND

16

17

AND

18

19

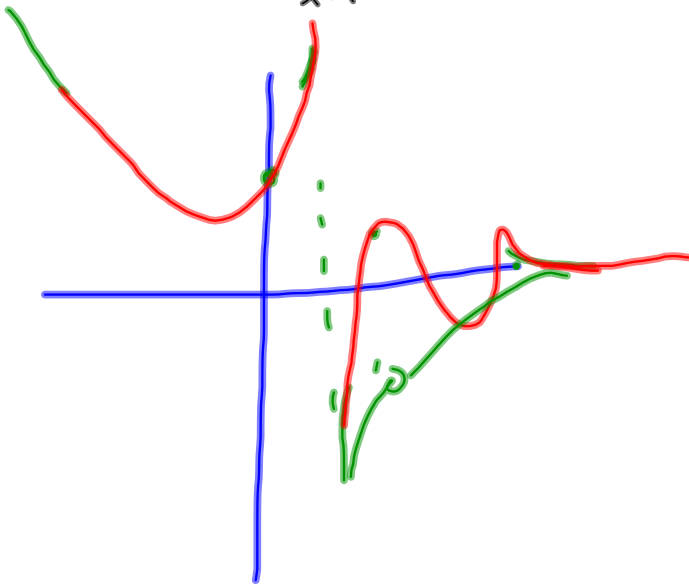
29

31

32

15) Clues:

- i) $f(0)=2$; $f(2)=1$
- ii) $\lim_{x \rightarrow 1^-} f(x) = +\infty$; $\lim_{x \rightarrow 1^+} f(x) = -\infty$
- iii) $\lim_{x \rightarrow +\infty} f(x) = 0$; $\lim_{x \rightarrow -\infty} f(x) = +\infty$



2014-09-05 day 8

17) i) $f(x) = 0$ if x is an integer
 $[x \in \mathbb{Z}]$

and $f(x) \neq 0$ if x is not an integer

$$\text{ii) } \lim_{x \rightarrow +\infty} f(x) = 0 ; \lim_{x \rightarrow -\infty} f(x) = 0$$

$$3(xy) = 3x3y$$

join A.P.
Calculus!!

$$3(x+y) = 3x+3y$$